

United States Government

Department of Energy

memorandum

Carlsbad Field Office
Carlsbad, New Mexico 88221

DATE: 08 APR 2003

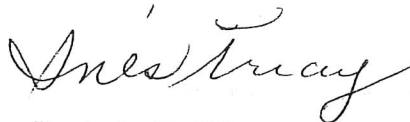
REPLY TO
ATTN OF: CBFO:NTP:KWW:VW:03-1655:UFC:5822SUBJECT: Expansion of RFETS Authority to Include Additional VE Activities, Sludge
Sampling and Gas Generation Testing

TO: Eugene C. Schmitt, Manager, Rocky Flats Field Office

The Carlsbad Field Office (CBFO) has completed two certification audits of the Rocky Flats Environmental Technology Site's (RFETS) TRU Waste Program. Audit A-03-04 was conducted October 1-2 and Audit A-03-02 was conducted November 19-20, 2002 to evaluate additional visual examination activities, sludge sampling, and gas generation testing. The technical and quality assurance programs were determined to be in compliance with the "Waste Analysis Plan" (WAP) of the WIPP *Hazardous Waste Facility Permit*, the *Quality Assurance Program Document*, and other CBFO requirements and standards.

Based on the results of Audits A-03-04 and A-03-02, the CBFO is expanding the RFETS authority that was issued on December 20, 2002 to include these additional activities. The attachments to this letter contain the complete lists of currently certified procedures, documents, systems, and processes for certification, characterization, and transportation of contact handled homogeneous solids and debris waste.

The TRU waste certification, characterization, or transportation using significantly revised or new processes, procedures, or systems must be evaluated by the CBFO prior to their implementation.

Dr. Inés R. Triay
Manager

Attachments



030420



RFETS CERTIFICATION PROGRAM STATUS

The CBFO Office of the National TRU Program Manager and Quality Assurance Manager have evaluated the documentation supporting the compliance of the additional RFETS TRU waste activities that were audited during Audits A-03-04 and A-03-02. The recommendation to the CBFO Manager is that the RFETS authorities that were granted on December 20, 2002 (CBFO:NTP:KWW:VW:02-3312:UFC5822) be expanded to include the additional visual examination activities, sampling of tank sludge, and gas generation testing. Attachments 2 and 3 provide complete lists of certified procedures and equipment. The following processes are currently approved at RFETS:

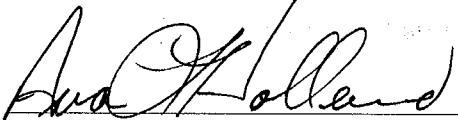
- Acceptable knowledge
- Gas generation
- HSG
 - Online headspace gas sampling and analysis
- Non-destructive assay, including:
 - Multi-purpose crate counter;
 - SuperHENC/SGEAS;
 - Tomographic gamma scanner;
 - Passive-active drum counter (PADC)
 - Calorimetry
- Real-time radiography, including the mobile RTR unit that is restricted to non-lead lined drums
- Solids sampling and analysis
- Transportation
- Visual examination (QC check on RTR)
- Visual examination technique

STATUS

- All program elements remain complete.
- The following required site documents that demonstrate how RFETS complies with the CBFO requirements.
 - QAPjP – *Rocky Flats Environmental Technology Site TRU Waste Characterization Program Quality Assurance Project Plan*, 95-QAPjP-0050, Revision 6
 - GGTP QAPjP – *Rocky Flats Environmental Technology Site Gas Generation Testing Program Quality Assurance Project Plan*, RS-020-001, Revision 3
 - WCP – *Rocky Flats Environmental Technology Site Transuranic Waste Management Manual*, 1-MAN-008-WM-001, Revision 5
 - QAP – (Section 2.2.2 of WCP)
 - TRAMPAC and QA Plan – (Section 2.2.7 of WCP)
 - Packaging QA Plan – (Section 2.2.8 of WCP)
 - Standard operating procedures (see attachment 3 for complete procedure list)
- RFETS participation in the following performance demonstration programs (PDPs):
 - **RCRA PDP** -- Participation was satisfactory in cycle 9A for VOCs the (Memo CBFO:NTP:MRB:VW:02-2640 dated June 19, 2002) and for PCBs (Memo CBFO:NTP:MRB:VW:02-3230 dated November 4, 2002).
 - **NDA PDP SWBs** -- Participation was satisfactory in cycle B2A for SWBs for the MPCC and SuperHENC (Memo CBFO:NTP:MRB:VW:02-2576 dated May 31, 2002)

RECOMMENDATION

The recommendation to the CBFO Manager is to expand the RFETS authority for certification, characterization and transportation to include the additional visual examination activities in buildings 440 and 371, sampling of tank sludge, and gas generation testing in building 440 for contact-handled homogeneous solids and debris waste. Attachments 2 and 3 are lists of systems and procedures that constitute the bounds of the RFETS transportation and waste certification authority.

CONCURRENCE

Ms. Ava L. Holland
CBFO Quality Assurance Manager

4/7/03
Date



805 Mr. Kerry W. Watson
CBFO Assistant Manager
National TRU Program

4/8/2003
Date

RFETS CERTIFIED SYSTEMS

WIPP #	Site Equipment #	Site Description	Components	Software
Headspace Gas				
5HG2	GB-01	Automated Headspace Gas GC/MS	Headspace Gas Sampling and Analysis Using an Automated Manifold (Procedure L-4231)	HGAS
5HG4	GB-03	Automated Headspace Gas GC/MS	Headspace Gas Sampling and Analysis Using an Automated Manifold (Procedure L-4231)	HGAS
Non-destructive Assay				
5CC1	664MPCC01	Multi-Purpose Crate Counter	Passive-active large package counter and separate gamma-ray spectrometry system.	BNFL MPCC Assay Application, SGEAS
5TC2	371TGS02	TGS Can Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement.	ANTECH MasterScan, ANTECH MasterAnalysis, PC/FRAM
5TC3	371TGS03	TGS Can Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement.	ANTECH MasterScan, ANTECH MasterAnalysis, PC/FRAM
5TC4	371TGS05	TGS Can Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement.	ANTECH MasterScan, ANTECH MasterAnalysis, PC/FRAM
5PD2	440 PADC01 (Moved from Bldg. 569 to Bldg. 440 - formerly 569PADC01)	PADC Large package counter	Passive-active drum counter and separate gamma-ray spectrometry system.	BNFL PADC/IPAN, PC/FRAM
5SH1	440SHENC01	SuperHENC Large package counter	High efficiency neutron counter and separate gamma-ray spectrometry system.	BNFL SuperHENC SGEAS, LANL SuperHENC/Neutron Analysis
5C01	AR02	Calorimeter	Calorimeter	ANTECH Air Bath Calorimeter Control Software
5C02	AR03	Calorimeter	Calorimeter	ANTECH Air Bath Calorimeter Control Software
5C05	AR06	Calorimeter	Calorimeter	ANTECH Air Bath Calorimeter Control Software
5C09	P2	Calorimeter	Calorimeter	ANTECH Air Bath Calorimeter Control Software
5C10	P3	Calorimeter	Calorimeter	ANTECH Air Bath Calorimeter Control Software
5C11	P4	Calorimeter	Calorimeter	ANTECH Air Bath Calorimeter Control Software
5C12	P5	Calorimeter	Calorimeter	ANTECH Air Bath Calorimeter Control Software
5C13	P6	Calorimeter	Calorimeter	ANTECH Air Bath Calorimeter Control Software
5C15	P8	Calorimeter	Calorimeter	ANTECH Air Bath Calorimeter Control Software
5C16	P9	Calorimeter	Calorimeter	ANTECH Air Bath Calorimeter Control Software
5GS1	GPC1	Gamma-ray Spectrometer	Gamma-ray Spectrometer	ANTECH TRIFID
5GS2	T4	Gamma-ray Spectrometer	Gamma-ray Spectrometer	ANTECH TRIFID
5GS3	T5	Gamma-ray	Gamma-ray Spectrometer	ANTECH TRIFID

WIPP #	Site Equipment #	Site Description	Components / Software	Date Deactivated (Reason)
5S01	371SGSCS01	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	7/1/2000 (System shut down)
5S02	371SGSCS02	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	1/1/2001 (System shut down)
5S03	371SGSCS03	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	1/1/2001 (System shut down)
5S04	371SGSCS04	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	1/1/2001 (System shut down)
5S05	707SGSCS02	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	12/19/2000 (System shut down)
5S06	707SGSCS03	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	12/19/2000 (System shut down)
5S07	707SGSCS04	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	12/19/2000 (System shut down)
5S08	707SGSCS05	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	12/19/2000 (System shut down)
5S09	707SGSCS06	SGS Can counter	Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	12/19/2000 (System shut down)
5IQ1	IQ3	Canberra mobile drum counter, bldg. 664	High Sensitivity Gamma Waste Assay System / Gamma Waste Assay Systems (GWAS) Analysis Software	10/1/2001 (System shut down)
5PN1	PN	Canberra mobile drum counter, bldg. 664	Passive Neutron (PN) Coincidence Counter / Canberra Neutron Assay Software (NAS)	10/1/2001 (System shut down)
5SD1	SGS	Canberra mobile drum counter, bldg. 664	Gamma-ray spectrometry portion of instrument utilized / Multi-Group Analysis (MGA)	10/1/2001 (System shut down)
5TC1	371-STGS-01 (skid)	TGS Can Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement / LANL DAC-TGS, LANL ARC-TGS, PC/FRAM	10/18/02 (System shut down)
5TD1	371TGS01(DRUM)	TGS Large Package Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement / LANL DAC-TGS, LANL ARC-TGS, PC/FRAM	10/18/02 (System shut down)
5TD2	569TGS04 DEACT 8/1/02	TGS Large Package Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement / ANTECH MasterScan, ANTECH MasterAnalysis, PC/FRAM	8/1/02 (System shut down)

RFETS CERTIFIED PROCEDURES

CERTIFIED PROCEDURES		
	PROCEDURE/DOCUMENT NUMBER	TITLE
1.	1-A65-ADM-15.01	Control of Nonconforming Items
2.	1-A67-QAP-08.01	Identification and Control of Items
3.	1-C20-QAP-09.01	Control of Processes
4.	1-C80-WO-1102-W/RT	Waste/Residue Traveler Instructions
5.	1-D97-ADM-16.01	Occurrence Reporting Process
6.	1-J55-ADM-08.10	Subcontractor Quality Evaluations
7.	1-M12-WO-4034	Solid Radioactive Waste Packaging Requirements Manual
8.	1-MAN-004-CSMM	Computer Software Management Manual
9.	1-MAN-008-WM-001	Transuranic (TRU) Waste Management Manual
10.	1-MAN-039-WEM-WP-1200	Waste and Environmental Management System (WEMS) Program Management Manual
11.	1-N92-ADM-02.03	Training and Qualification of Assessment and Surveillance Personnel
12.	1-PRO-072-001	Inspection and Acceptance Test Program
13.	1-PRO-079-WGI-001	Waste Characterization, Generation and Packaging
14.	1-PRO-087-WEMS-WP-1201	WEMS Waste Package Inventory, Tracking, and Control
15.	1-PRO-110-WP-1212	WIPP Waste Information System (WWIS) Data Entry
16.	1-PRO-Q11-WO-1221	Controls for Updating Waste Package Information in WEMS
17.	1-V10-ADM-15.02	Stop Work Action
18.	1-V41-RM-001	Records Management Manual
19.	1-V51-COEM-DES-210	Site Engineering Process Procedure
20.	1-W37-IA-002	Integrated Planning and Scheduling of Assessment Activities
21.	3-B52-IA-003	Conduct of Independent Assessment Activities
22.	3-W24-MA-002	Kaiser-Hill Management Assessment Program
23.	3-X31-CAP-001	Corrective Action Process
24.	4-D99-WO-1100	Solid Radioactive Waste Packaging Procedure
25.	4-F72-WEM-WP1205	WEMS and WSRIC Software Quality Assurance Compliance
26.	4-G83-WEM-WP-1209	WEMS Waste Package Verification and Certification
27.	4-H19-WSRIC-001	WSRIC Characterization and Reverification
28.	4-I19-NDT-00569	Real-Time Radiography Testing of Transuranic and Low-Level Waste in Building 569
29.	4-K47-WEM-WP1210	WEMS Offsite Shipping Module
30.	4-T04-TRAFFIC-204	Waste Shipment Certification Form, RF-46416
31.	4-T30-Traffic-515	Preparation and Retention of Shipping Papers
32.	4-W30-NDT-00664	Real-Time Radiography Testing of Transuranic and Low-Level Waste in Building 664
33.	5-NDT-TC-1A	Training, Qualification, and Certification of Nondestructive Testing Personnel
34.	95-QAPjP-0050	Rocky Flats Environmental Technology Site TRU Waste Characterization Program Quality Assurance Project Plan (QAPjP)
35.	95-WP/SAP-001	Transuranic (TRU/TRM) Waste Sampling Plan
36.	ASD-003	Identification System for Reports and Samples
37.	INS-246	TWCP QAPD Procedures Matrix
38.	L-1000	Requirements for Laboratory L-Procedures
39.	L-1006	Maintenance Records for Analytical Instrumentation
40.	L-4026	Records Handling, Storage, and Retrieval for the WIPP Project File
41.	L-4028	Sample Administration for the Radiological Laboratories

CERTIFIED PROCEDURES		
	PROCEDURE/DOCUMENT NUMBER	TITLE
78.	PRO-489-TRU-664	TRUPACT-II Operating Instructions for Building 664
79.	PRO-543-ASD-002	Initiation, Preparation, and Implementation of Chain-of-Custody Forms
80.	PRO-544-SALTREPACK-371	Residue Repack, Building 371
81.	PRO-548-SSOC-SQA	Software Management for Nondestructive Assay Systems
82.	PRO-603-RS-0152	Data Review and Verification of Solid Sampling Batch Reports
83.	PRO-604-RC-001	Field Sample QC Data Calculation, Review, and Validation Batch Reports
84.	PRO-666-PADC440 (Supercedes PRO-666- PADC569)	Operating Building 440 Passive/Active Drum Counter
85.	PRO-692-RES-030-002 (Formerly PRO-692-MGSS- 030-002)	Non-Heated Gas Test Canister Operations
86.	PRO-731-MC-002	NDA Measurement Control Program
87.	PRO-767-WIPP-001	Waste Records Center Processing
88.	PRO-815-DM-01	Developing and Maintaining Documents
89.	PRO-823-REPACK-371	Combustible Residue Repackaging
90.	PRO-830-DRUM-371	Drum Loading into Standard Waste Boxes
91.	PRO-845-NDA-008 (Supercedes 3-Q22-NDA-3000)	Data Review, Verification and Validation for Nondestructive Assay (NDA) Measurement Systems
92.	PRO-856-RS-0153	Gas Generation Test Data Reduction and Reporting
93.	PRO-860-RS-0156	Solid Sampling, Building 371
94.	PRO-908-ASD-004	On-Site Transfer and Off-Site Shipment of Samples
95.	PRO-940-WIPP-010	WIPP TRU Waste Characterization Project Level Data Review and Reporting
96.	PRO-943-WIPP-007 (Supercedes 1-E93-ADM-16.18, 6/7/00)	TRU Waste Characterization Program Conditions Adverse to Quality Trending and Analysis
97.	PRO-944-WIPP-008	Completion of Waste Stream Profile Form for Waste to be Disposed of at WIPP
98.	PRO-945-WIPP-009	RCRA Characterization of TRU Waste to be Disposed of at WIPP
99.	PRO-957-SuperHENC	Operating the Super High Efficiency Neutron Coincidence (SuperHENC) Counter Mobile Assay System
100.	PRO-962-MGSS-001	Mobile Gas Generation Testing Sampling System (MGSS) Sampling Operations
101.	PRO-963-MGSS-002	Mobile Gas Generation Testing Sampling System Data Calculation
102.	PRO-985-SURV	Performance of Surveillances
103.	PRO-1003-WSRIC-ADMIN (Supercedes 4-D15-BBPE-001, 10/18/01)	WSRIC Administration Guidance
104.	PRO-1018-SWB-371	Standard Waste Box Drum Selection and Grouping
105.	PRO-1031-WIPP-1112	TRU/TRM Waste Visual Verification (V^2) and Data Review
106.	PRO-1034-PEQA (Supercedes PRO-PQR-001, 5/21/01)	Procurement Engineering and Quality Assurance
107.	PRO-1037-WEMS-97-107	Waste and Environmental Management System (WEMS) System Administration Guidance
108.	PRO-1038-WEMS-97-108	WEMS and WSRIC Software Validation Specifications (SVS) Development
109.	PRO-1045-WI-001 (Supercedes 4-M63-WI-4013, 8/30/00)	Solid Radioactive Waste Inspection
110.	PRO-1072-NDA-MSQ	Matrix-Specific Qualification for NDA Can Counters
111.	PRO-1092-FRAM-440	Operating Building 440 FRAM Gamma Spectroscopy System

CERTIFIED PROCEDURES		
	PROCEDURE/DOCUMENT NUMBER	TITLE
	(Supercedes PRO-697-MLC-00013, 2/28/02)	
139.	PRO-1570-NDA-QUAL	Qualification Requirements for NDA Large Package Counters
140.	PRO-1608-VECRTR-371	RTR Visual Examination Confirmation, Building 371
141.	PRO-1628-A2-001	Tank Sludge Removal from Pre-Selected Areas, Tank T207
142.	PRO-1649-LN2-569, 664, 440	Filling Detector Head Dewars in Building 569, 664, 440, SuperHENC and MPCC Mobile Assay Trailers
143.	PRO-1654-NHGGT-1983	Non-Heated Gas Test Canister Operations
144.	PRO-1655-HGGT-1954	Heated Gas Test Canister Operations
145.	PRO-1674-SOURCE/STANDARDS-LOAD/UNLOAD	Source/Standards Loading/Unloading in Matrix Containers in Buildings 440, 569 and 664
146.	PRO-J23-FO-0133	Drum and Box Repack
147.	PRO-J44-RC&I-6600 (Supercedes 4-J44-RC&I-6600, 4/30/01)	Procured Items Inspection & Certification
148.	PRO-N01-RES-030-001	Heated Gas Test Canister Operations
149.	PRO-T13-Traffic-306 (Supercedes 1-T13-Traffic-306, 5/13/02)	Labeling and Marking TRUPACT Packages
150.	PRO-T20-Traffic-505 (Supercedes 4-T20-Traffic-505, 5/17/02)	Certifying Authorized Payloads for TRUPACT-II
151.	PRO-T43-Traffic-528 (Supercedes 4-T43-TRAFFIC-528, 5/17/02)	TRUPACT-II Operations Flow
152.	PRO-T95-OSTP-002	Off-Site Transportation Procedure
153.	PRO-U76-WC-4030	Control of Waste Nonconformances
154.	PRO-W90-FO-0103	Balances
155.	PRO-X05-WC-4018	Transuranic (TRU) Waste Certification
156.	RF/RMRS-97-018	RFETS TRU Waste Acceptable Knowledge Supplemental Information
157.	RF/RMRS-97-108	WEMS Software Validation Specification Development
158.	RMRS-WIPP-98-100	Acceptable Knowledge TRU/TRM Waste Stream Summaries
159.	RS-012-004	Grid Method – Solid Sampling & Analysis Plan
160.	RS-012-005	Cone & Quartering Method – Solid Sampling and Analysis Plan
161.	RS-020-001	Gas Generation Program Testing Quality Assurance Project Plan
162.	RS-020-012	Ash Residue Repack, Process Control Plan
163.	RS-020-013	Dry Residue Repackaging Process Control Plan
164.	RS-020-018	Combustible Residue Repackaging Process Control Plan
165.	RS-020-021	Salt Residue Repack, Buildings 371 and 707 Process Control Plan

Deactivated Procedures and Qualification/Calibration Plans and Reports			
	Procedure Number	Title	Reason for Action
1.	00-NDA-NMC-100	Qualification Plan for the Neutron Multiplicity Counter (NMC) Instruments and TRIFID Gamma-Ray Isotopics Systems	Deactivated – last counter shut down 3/6/02
2.	00-NDA-TGS-001	Qualification Plan for the Skid Mounted Tomographic Gamma Scanner (TGS)	Deactivated 10/18/02 – Equipment shut down
3.	00-NDA-TGS-003	Qualification Plan for the 569TGS04 Tomographic Gamma Scanner (TGS)	Deactivated 10/18/02 – Equipment shut down
4.	3-MAN-006-NDA-1000	NDA Calibration and Validation Program Manual	Deactivated 9/19/01 and applicable information incorporated into the qualification plans.
5.	4-H80-776-ASRF-007	Visual Examination for Confirmation of RTR	Deactivated 11/6/01 – Equipment shut down
6.	4-W84-RS-0114	Salt Residue Stabilization/Repack, Bldg. 707	Deactivated 3/9/01 – Project complete
7.	99-NDA-SGS-100	Qualification Plan for the Canberra Segmented Gamma Scan (SGS) Can Counter Instruments	Deactivated – last counter shut down 1/1/01
8.	371-STGS-01 (IDC 411R)	Building 371 Skid TGS Can Counter (ID 371-STGS-01) Calibration and Qualification Report	Deactivated – shut down 10/18/02
9.	NDA2000-QUAL-371TGS01(DRUM)	Qualification Report for the Determination of Plutonium-239 Combustible Waste Packaged in 55-Gallon Drums Using the Reconfigured Skid-Mounted TGS Drum Counter 371TGS01(DRUM), dated 9/6/00	Deactivated - shut down 10/18/02)
10.	KH-NDA2001-QUAL-569TGS04	Calibration and Qualification Report for the Determination of Plutonium-239 Combustible Waste Packaged in 55-Gallon Drums Using the ANTECH TGS Drum Counter 569TGS04, dated 5/17/01	Deactivated - counter shutdown 8/1/02
11.	L-2421	Precision Gas Mass Spectrometry Operations and Analysis (VG-30-38)	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
12.	L-4006	Chain-of-Custody and Sample Administration for Headspace Sample Canisters	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
13.	L-4111	GC/MS Determination of Volatile Organics Waste Characterization	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
14.	L-4138	Summa Passivated Stainless Steel Canister Cleaning and Certification	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
15.	L-4146	Headspace Gas Sampling of Waste Containers	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
16.	L-4148	Preparation of Samples and Calibration Standards for Determination of Gases in Sample Canisters	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
17.	L-5016	Radiological Laboratories Data Review and Validation of Inorganic Gas Analysis for WIPP-TRU Waste Characterization Program (TWCP) - Data Generation Level	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
18.	L-5017	HVOC Data Review and Validation (Data Generation Level)	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
19.	LATA-MGSSID-001	LATA Program Interface Document for the Mobile Gas Generation Sampling System for Use at the Rocky Flats Environmental Technology Site (RFETS)	Deactivated 9/30/02
20.	PRO-174-WO-5227	Operating Building 371 SGS Drum Counter	Deactivated - counter shut down 7/9/02
21.	PRO-236-SGS-001	Operating the Canberra Segmented Gamma Scanner (SGS) Can Counter	Deactivated – last counter shut down 1/1/01
22.	PRO-404-RS-0145	Data Review and Verification, Ash Residue Repack Batch Reports	Deactivated 5/21/02

Superceded Procedures			
	Number	Title	New Procedure Number
1.	1-E93-ADM-16.18	Data Analysis and Trending for Performance Improvement	Superceded by PRO-943-WIPP-007 (6/7/00)
2.	1-MAN-013-S10M	Site Integrated Oversight Manual	Superceded by MAN-131-QAPM, section 6.2.1 and 6.2.2 (11/1/01)
3.	1-MAN-017-LLGI-RM	Site Lessons Learned/Generic Implications Requirements Manual	Superceded by PRO-1541-SLLP (12/31/01)
4.	1-PRO-077-WIPP-005	Management of Waste Information Prior to Transmittal to the Waste Records Center	Superceded by PRO-077-WIPP-005 (12/19/01)
5.	1-T13-Traffic-306	Labeling and Marking TRUPACT Containers	Superceded by PRO-T13-Traffic-306 (5/17/02)
6.	3-Q22-NDA-3000	Review of Non-TWCP Nondestructive Assay Sheets	Superceded by PRO-845-NDA-008 (7/25/01)
7.	4-D15-BBPE-001	WSRIC Building Book Preparation and Editing	Superceded by PRO-1003-WSRIC-ADMIN (10/18/01)
8.	4-J44-RC&I-6600	Procured Item Acceptance & Certification	Superceded by PRO-J44-RC&I-6600 (4/30/01)
9.	4-M63-WI-4013	Final and Loading Inspections for Packages	Superceded by PRO-1045-WI-001 (8/30/00)
10.	4-T20-Traffic-505	Certifying Authorized Payloads for TRUPACT-II	Superceded by PRO-T20-Traffic-505 (5/17/02)
11.	4-T43-TRAFFIC-528	TRUPACT-II Operations Flow.	Superceded by PRO-T43-Traffic-528, (5/17/02)
12.	DCI SOP NO. MLA 008	Metrology Control of Measuring and Test Equipment	Superceded by PRO-1205-MLA-008 (12/18/00)
13.	L-3007	Calorimetry/Gamma Ray Assay Calculation and Reporting of Results	Superceded by PRO-1297-CLC(RPT-371 (8/10/01)
14.	L-4034	Data Review and Validation for Calorimetric Assay for WIPP TRU Waste Characterization Program	Superceded by PRO-1302-WIPPDATA-371 (11/30/01)
15.	L-4050	TRIFID Gamma-Ray Isotopic Analysis System Qualification	Superceded by PRO-1290-TRIFID-371 (6/21/01)
16.	L-4193	Gamma-Ray Isotopic analysis of Pu-bearing Solids in the Building 707 Cal/Gamma Laboratory	Superceded by PRO-1298-ISOAN-371 (11/20/01)
17.	L-4209	Calorimeter Procedure Using the Antech Airbath System in the Building 707 Cal/Gamma Laboratory	Superceded by PRO-1299-AIRBATH-371 (12/10/01)
18.	MAN-012-SCARM	Site Corrective Action Requirements	Superceded by MAN-131-QAPM (11/1/01)
19.	PRO-291-TPO/VO/5035	TRUPACT-II Verification Leak Test, Building 664	Superceded by PRO-1419-WO-LKTST)
20.	PRO-489-TRU-664	TRUPACT-II Operating Instructions for Building 664	Superceded by PRO-1418-WO-TRUOP
21.	PRO-572-PQR-001	Procurement Quality Assurance Requirements	Superceded by PRO-1034-PEQA, appendix 5 (5/21/01)
22.	PRO-666-PADC569	Operating Building 569 Passive/Active Drum Counter	Superceded by PRO-666-PADC440 (3/9/03)
23.	PRO-692-MGSS-030-002	Non-Heated Gas Test Canister Operations	Superceded by PRO-692-RES-030-002 (7/28/00)
24.	PRO-697-MLC-00013	Preparation and Certification of NDA Standards and Sources	Superceded by PRO-1566-NDA-STD (2/28/02)
25.	PRO-822-DR&V-371,	Data Review and Verification of Wet Combustible Residue Batch Reports	Superceded by PRO-264-RS-0141 (12/14/00)